

Figure 1

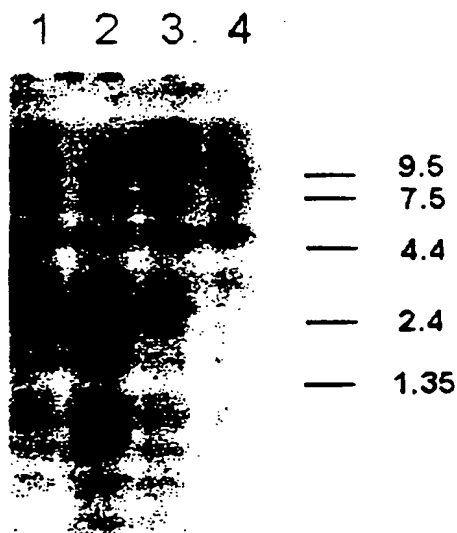
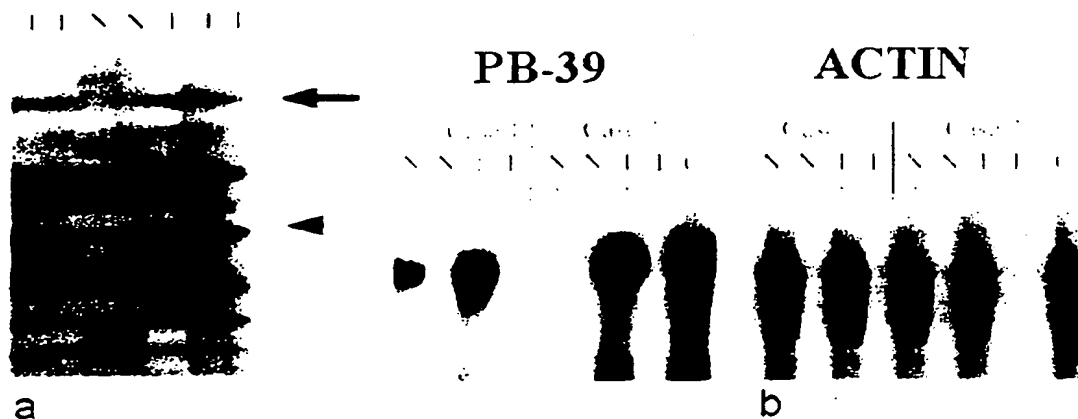


Figure 2

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Figure 3A

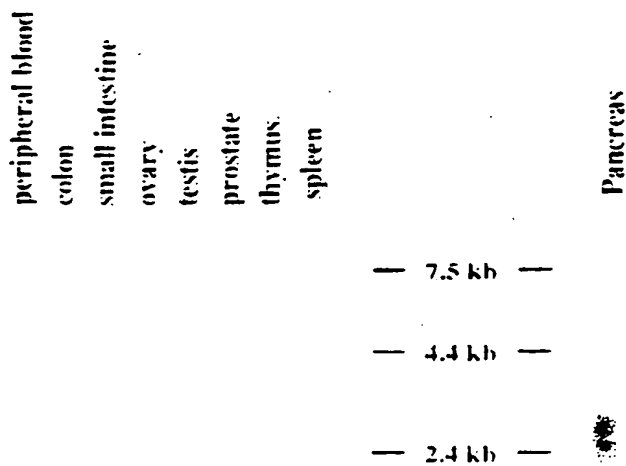


Figure 3B

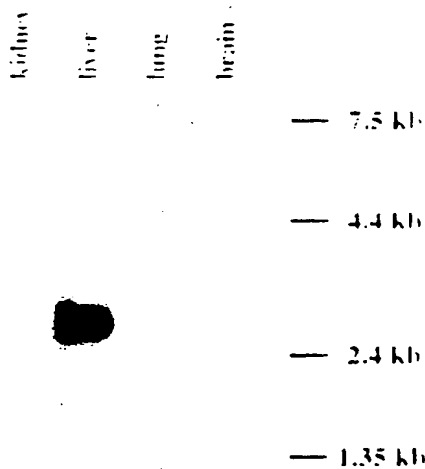


Fig. 4
Panel A

1 cccggggctggaggggggcaagcgggttccgaggtgcaaagcctgg
tgccccgagccctgcggagctcggggccagc
77 atggccccccacgctgcaacaggcgtaccggaggcgctgggtggatg
M A P T L Q Q A Y R R R W W M 15
122 gcctgcacggctgtgctggagaacctcttcttctctgctgtactc
A C T A V L E N L F F S A V L 30
167 ctgggctggggctccctgttgatcattctgaagaacgagggcttc
L G W G S L L I I L K N E G F 45
212 tattccagcacgtgccagctgagagcagcaccaacaccaccag
Y S S T C P A E S S T N T T Q 60
257 gatgagcagcgcaggtggccaggctgtgaccagcaggacgagatg
D E Q R R W P G C D Q Q D E M 75
302 ctcaacctgggcttcaccattgggttccttcgtgctcagcggccacc
L N L G F T I G S F V L S A T 90
347 accctgccactggggatcctcatggacegctttggcccccgaccc
T L P L G I L M D R F G P R P 105
392 gtgcggtggttggcagtgccctgcttcactgcgtccctgcaccctc
V R L V G S A C F T A S C T L 120
437 atggccctggcctcccgggacgtggaagctctgtctccgttgata
M A L A S R D V E A L S P L I 135
482 ttcctggcgctgtccctgaatggctttggtggcatctgcctaacg
F L A L S L N G F G G I C L T 150
527 ttcacttcactcacgctgccccaacatgtttgggaacctgcgctcc
F T S L T L P N M F G N L R S 165
572 acgttaatggccctcatgattggctcttacgcctcttctgccatt
T L M A L M I G S Y A S S A I 180
617 acgttcccaggaatcaagctgatctacgatgccggtgtggccttc
T F P G I K L I Y D A G V A F 195
662 gtggtcatcatgttcacctgggtctggcctggcctgccttatcttt
V V I M F T W S G L A C L I F 210
707 ctgaactgcaccctcaactggcccatcgaagcctttcctgcccc
L N C T L N W P I E A F P A P 225
752 gaggaagtcaattacacgaagaagatcaagctgagtgggctggcc
E E V N Y T K K I K L S G L A 240
797 ctggaccacaagggtgacaggtgacctcttctacacccatgtgacc
L D H K V T G D L F Y T H V T 255
842 accatggggccagaggctcagccagaaggccccccagcctggaggac
T M G Q R L S Q K A P S L E D 270
887 ggttcggatgccttcatgtcaccaccaggatgttcggggcacctca
G S D A F M S P Q D V R G T S 285
932 gaaaaccttctctgagaggtctgtccccttacgcaagagcctctgc
E N L P E R S V P L R K S L C 300
977 tccccactttcctgtggagcctcctcaccatgggcatgaccag
S P T F L W S L L T M G M T Q 315
1022 ctgcggtatcatcttctacatggctgctgtgaacaagatgctggag
L R I I F Y M A A V N K M L E 330
1067 taccttgtgactggtggccaggagcatgagacaaatgaacagcaa
Y L V T G G Q E H E T N E Q Q 345
1112 caaaaggtggcagagacagttgggttctactcctccgtcttcggg
Q K V A E T V G F Y S S V F G 360
1157 gccatgcagctgttgtgccttctcacctgccccctcattgggtac
A M Q L L C L L T C P L I G Y 375

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Figure 4
panel B

1202 atcatggactggcg⁴gat⁷caaggactg⁷cgtggacgccccaaactcag
 I M D W R I K D C V D A P T Q 390
 1247 ggcactgtcctcggagatgccagggacggggttgctaccaaatcc
 G T V L G D A R D G V A T K S 405
 1292 atcagaccacgctactgcaagatccaaaagctcaccaatgccatc
 I R P R Y C K I Q K L T N A I 420
 1337 agtgccttcaccctgaccaacctgctgcttgggttttggcatc
 S A F T L T N L L L V G F G I 435
 1382 acctgtctcatcaacaacttacacctccagtttgtgacctttgtc
 T C L I N N L H L Q F V T F V 450
 1427 ctgcacaccattgttcgaggtttcttccactcagcctgtgggagt
 L H T I V R G F F H S A C G S 465
 1472 ctctatgctgcagtgttcccatccaaccactttgggacgctgaca
 L Y A A V F P S N H F G T L T 480
 1517 ggcctgcagtcctcatcagtgctgtgttcgccttgcttcagcag
 G L Q S L I S A V F A L L Q Q 495
 1562 ccacttttcatggcgatgggtgggacccctgaaaggagagcccttc
 P L F M A M V G P L K G E P F 510
 1607 tgggtgaatctgggcctcctgctattctcactcctgggattcctg
 agagcaggggttggtgtggggggagcaggagccactctc
 W V N L G L L L F S L L G F L 525
 R A R V G V G G A G A T L 525
 1652 ttgccttctacctcttctattaccgtgcccgggtccagcaggag
 ctggggggcaggggtagggccttgatgtgggtgccatccctcactc
 L P S Y L F Y Y R A R L Q Q E 540
 L G A G V G P C M W C H P S L 540
 1697 tacgccgccaatgggatgggcccactgaagggtgcttagcggtctc
 atctcagccagaggcacctcagaggtctctaattctgcaggtttcc
 Y A A N G M G P L K V L S G S 555
 I S A R G T S E V S N L Q V S 555
 1742 gaggtgaccgcatag 1756
 aagttgtctgccttttag 1759
 E V T A * 559
 K L S A F *#560

acttctcagaccaagggacctggatgacaggcaatcaaggcctga
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 cacatagagccatggccgtagatttataaataaccaagagaagttc
 tatttttgtaaagactgcaaaaaggaggaaaaaaaaccttcaaaa
 acgccccctaagtcaacgctccattgactgaagacagtcctctac
 ctacaggggttgagctttcttctccttgggttgaggagaccag
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 ctgtgtcctgggttaggggttgggggtcggcccttccagggcca
 ggaaggcaggttccctctctggtgctgctgcttgcaagtcttaga
 ggaaataaaaagggaagttag aaaaaaaaaa

#there are approximately an additional 2300 nucleotides at this site contributing to the 5 kb transcript's 3'UTR.

Figure 4 panel C

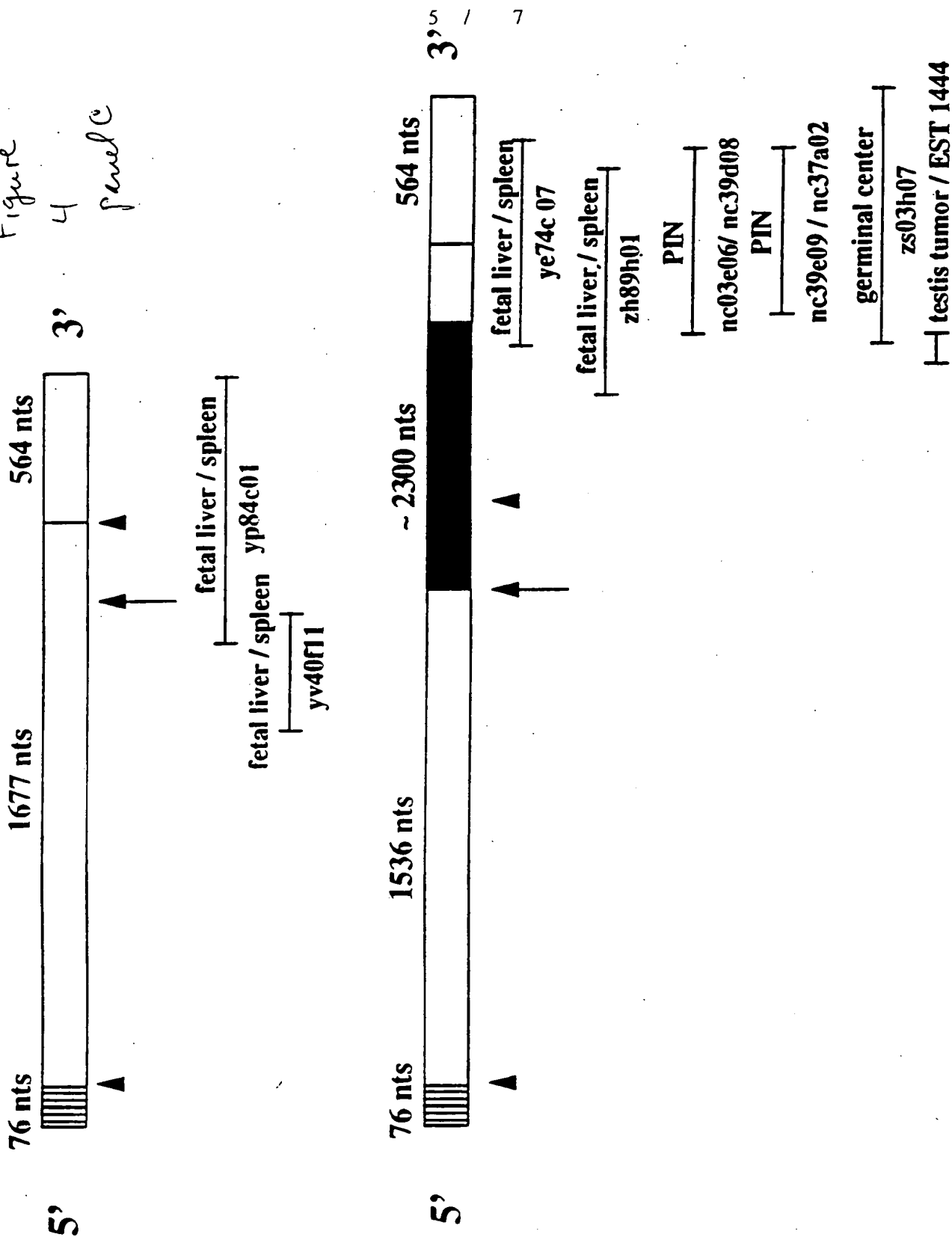


Figure 5

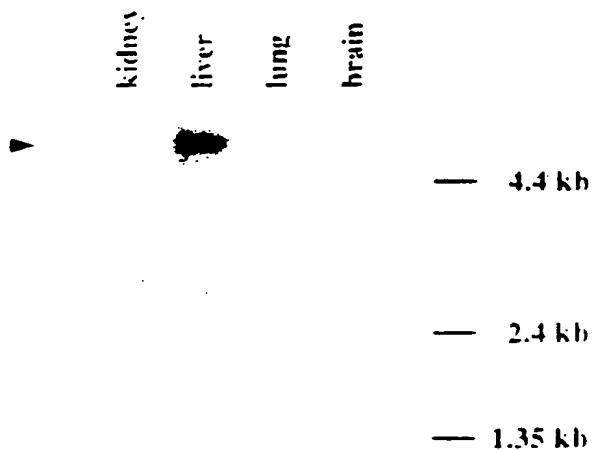


Figure 6

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A

97 kD —

68 kD —

43 kD —

Ab 644

Ab 646



60 kD —

42 kD —

Ab 656

C

FIG. 7